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Results 1 - 16 of 16 short listing

- 1** On the Correctness of Semantic-Syntax-Directed Translations 85%  
 Ramachandran Krishnaswamy , Arthur B. Pyster  
 Journal of the ACM (JACM) April 1980  
 Volume 27 Issue 2  
 The correctness of semantic-syntax-directed translators (SSDTs) is examined. SSDTs are a generalization of syntax-directed translators in which semantic information is employed to partially direct the translator. Sufficient conditions for an SSDT to be "semantic-preserving," or "correct," are presented. A further result shows that unless certain conditions are met, it is undecidable, in general, whether an SSDT is semantic-preserving.
- 2** Visual relevance analysis 85%  
 Nikos Pediotakis , Mountaz Hascoët-Zizi  
 Proceedings of the first ACM international conference on Digital libraries April 1996
- 3** Incremental analysis of real programming languages 84%  
 Tim A. Wagner , Susan L. Graham  
 ACM SIGPLAN Notices , Proceedings of the 1997 ACM SIGPLAN conference on Programming language design and implementation May 1997  
 Volume 32 Issue 5  
 A major research goal for compilers and environments is the automatic derivation of tools from formal specifications. However, the formal model of the language is often inadequate; in particular, LR(k) grammars are unable to describe the natural syntax of many languages, such as C++ and Fortran, which are inherently non-deterministic. Designers of batch compilers work around such limitations by combining generated components with ad hoc techniques (for instance, performing part ...
- 4** Short Single Axioms for Boolean Algebra 82%  
 William McCune , Robert Veroff , Branden Fitelson , Kenneth Harris , Andrew Feist , Larry Wos  
 Journal of Automated Reasoning September 2002  
 Volume 29 Issue 1  
 We present short single equational axioms for Boolean algebra in terms of

We present short single equational axioms for Boolean algebra in terms of


disjunction and negation and in terms of the Sheffer stroke. Previously known single axioms for these theories are much longer than the ones we present. We show that there is no shorter axiom in terms of the Sheffer stroke. Automated deduction techniques were used in several parts of the work.

- 5** Large-Scale Dictionary Construction for Foreign Language Tutoring and Interlingual Machine Translation 82%  
 Translation  
Bonnie J. Dorr  
Machine Translation January 1998  
Volume 12 Issue 4

This paper describes techniques for automatic construction of dictionaries for use in large-scale foreign language tutoring (FLT) and interlingual machine translation (MT) systems. The dictionaries are based on a language-independent representation called "lexical conceptual structure" (LCS). A primary goal of the LCS research is to demonstrate that synonymous verb senses share distributional patterns. We show how the syntax-semantics relation can be used to develop a ...








- 6** An Adaptable IE System to New Domains 82%  
 J. Turmo , N. Català , H. Rodríguez  
Applied Intelligence March 1999  
Volume 10 Issue 2-3

The most extended way of acquiring information for knowledge based systems is to do it manually. However, the high cost of this approach and the availability of alternative Knowledge Sources has lead to an increasing use of automatic acquisition approaches. In this paper we present M-TURBIO, a Text-Based Intelligent System (TBIS) that extracts information contained in restricted-domain documents. The system acquires part of its knowledge about the structure of the documents and the way ...

- 7** Decompilation: the enumeration of types and grammars 80%  
 Peter T. Breuer , Jonathan P. Bowen  
ACM Transactions on Programming Languages and Systems (TOPLAS) September 1994  
Volume 16 Issue 5


While a compiler produces low-level object code from high-level source code, a decompiler produces high-level code from low-level code and has applications in the testing and validation of safety-critical software. The decompilation of an object code provides an independent demonstration of correctness that is hard to better for industrial purposes (an alternative is to prove the compiler correct). But, although compiler compilers are in common use in the software industry, a decompiler com ...

- 8** Principles & methodology: Designing attentive interfaces 77%

-  **Roel Vertegaal**  
Proceedings of the symposium on ETRA 2002: eye tracking research & applications symposium  
March 2002  
In this paper, we propose a tentative framework for the classification of Attentive Interfaces, a new category of user interfaces. An Attentive Interface is a user interface that dynamically prioritizes the information it presents to its users, such that information processing resources of both user and system are optimally distributed across a set of tasks. The interface does this on the basis of knowledge --- consisting of a combination of measures and models --- of the past, present and futur ...
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 Lodewijk Bergmans , Mehmet Aksits  
Communications of the ACM October 2001  
Volume 44 Issue 10
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 Tzilla Elrad , Mehmet Aksits , Gregor Kiczales , Karl Lieberherr , Harold Ossher  
Communications of the ACM October 2001  
Volume 44 Issue 10
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Marc Weeber , Henry Klein , Lolkje T. W. de Jong-van den Berg , Rein Vos  
Journal of the American Society for Information Science May 2001  
Volume 52 Issue 7
- 12** DIAGRAM: a grammar for dialogues 77%  
 Jane J. Robinson  
Communications of the ACM January 1982  
Volume 25 Issue 1  
An explanatory overview is given of DIAGRAM, a large and complex grammar used in an artificial intelligence system for interpreting English dialogue. DIAGRAM is an augmented phrase-structure grammar with rule procedures that allow phrases to inherit attributes from their constituents and to acquire attributes from the larger phrases in which they themselves are constituents. These attributes are used to set context-sensitive constraints on the acceptance of an analysis. Constraints can be i ...
- 13** Perceptual user interfaces: multimodal interfaces that process what comes naturally 77%  
 Sharon Oviatt , Philip Cohen  
Communications of the ACM March 2000  
Volume 43 Issue 3
- 14** Garbage: two new structures 77%  
 G. Alan Creak  
ACM SIGPLAN Notices April 1998  
Volume 33 Issue 4
- 15** The maximal VHDL subset with a cycle-level abstraction 77%  
 W. Baker , A. Newton  
Proceedings of the conference with EURO-VHDL'96 and exhibition on European Design Automation  
September 1996

**16** Enhanced dynamic queries via movable filters

77%

 Ken Fishkin , Maureen C. Stone

Proceedings of the SIGCHI conference on Human factors in computing systems May 1995

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